

ABSTRACT

Catalase enzymes derived from bacterial from the genera *Alcaligenese (Deleya)* and *Microscilla* are disclosed. The enzymes are produced from native or recombinant host cells and can be utilized to destroy or detect hydrogen peroxide, *e.g.*, in production of glyoxylic acid and in glucose sensors, and in processes where hydrogen peroxide is used as a bleaching or antibacterial agent, *e.g.* in contact lens cleaning, in bleaching steps in pulp and paper preparation and in the pasteurization of dairy products.

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